

FORM PTO-1449	SERIAL NO. 10/684,222	CASE NO. 11336/433 (P03059US)
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	FILING DATE Oct. 10, 2003	GROUP ART UNIT 2125
APPLICANT(S): Devantier et al.		

# REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
/DPI/	A1	4,638,505	01/20/1987	Polk, et al.		
↓	A2	5,581,626	12/03/1996	Palmer		
	A3	6,031,920	02/29/2000	Wiener		

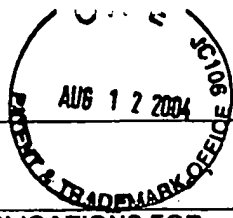
# FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
/DPI/	A4	EP 1 088 298 B1	11/12/2003	EPO		YES

EXAMINER INITIAL	OTHER ART - NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.</small>	
/DPI/	A5	ALLISON, Roy F., "The Influence of Room Boundaries on Loudspeaker Power Output", <u>Journal of the Audio Engineering Society</u> , June 1974, Vol. 22, No. 5, pp. 314-320.
	A6	ALLISON, Roy F., "The Sound Field in Home Listening Rooms. II" <u>Audio Engineering Society</u> , 52 <sup>nd</sup> Convention Oct. 31 - Nov. 3, 1975, AES preprint 1081 (L-2), 15 pages.
	A7	ASANO, Futoshi; SWANSON, David C., "Sound Equalization in Enclosures using Modal Reconstruction", <u>J. Acoust. Soc. Am.</u> , Oct. 1995, 98 (4), pp. 2062-2069.
	A8	ASANO, Futoshi; SUZUKI, Yoiti; and SWANSON, David C., "A Method of Optimizing Source Configuration in Active Control Systems Using Gram-Schmidt Orthogonalization," <u>Electrotechnical Laboratory</u> , 1-1-4 Umezono Tsukuba 305 Japan, <a href="mailto:asano@etl.go.jp">asano@etl.go.jp</a> , R.I.E.C. Tohoku Univ., A.R.L. Pennsylvania State University, 4 pages.
	A9	BALLAGH, K.O., "Optimum Loudspeaker Placement near Reflecting Planes", <u>J. Audio. Eng. Soc.</u> , Dec. 1983, Vol. 31, No. 12, pp. 931-935.
	A10	BENJAMIN, Eric and GANNON, Benjamin, "Effect of Room Acoustics on Subwoofer Performance and Level Setting," <u>Journal of the Audio Engineering Society</u> , 109 <sup>th</sup> Convention, Sept. 22-25, 2000, Los Angeles, California, AES preprint 5232, 36 pages.
	A11	BERKOVITZ, Robert, "Digital Equalization of Audio Signals," <u>Digital Audio</u> , pp. 226-238.
	A12	BHARTIKAR, Sunil; KYRIAKAKIS, Chris, "New Factors in Room Equalization Using a Fuzzy Logic Approach," <u>Journal of the Audio Engineering Society</u> , Audio Engineering Society Convention Paper 5450, 111 <sup>th</sup> Convention, Sept. 21-24, 2001, New York, New York, pp. 1-10.
	A13	BORWICK, John (ed.), <u>Loudspeaker and Headphone Handbook</u> , Butterworth & Co. (Publishers) Ltd., 1988, ch. 7, pp. 264-318 (total 57 pages).
	A14	CARA (Computer Aided Room Acoustics), ELAC Technische Software GmbH, Rendsburger Landstrasse 215, D-24113 Kiel, Germany, <a href="http://www.cara.de/ENU/index.html">http://www.cara.de/ENU/index.html</a> , 1 page.
↓	A15	D'ANTONIO, Peter D.; COX, Trevor J., "ROOM OPTIMIZER: A Computer Program to Optimize the Placement of Listener, Loudspeakers, Acoustical Surface Treatment and Room Dimensions in Critical Listening Rooms," <u>RPG Diffuser Systems, Inc.</u> , pp. 45-61.

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE Oct. 10, 2003	GROUP ART UNIT 2125
(use several sheets if necessary)		APPLICANT(S): Devantier et al.

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
/DP/ ↓	A16	ELLIOTT, S.J., NELSON, P.A., "Multiple-Point Equalization in a Room Using Adaptive Digital Filters", <u>Journal of the Audio Engineering Society</u> , Nov. 1989, Vol. 37, No. 11, pp. 899-907.
	A17	ELLIOTT, S.J.; BHATIA, L.P.; DEGHAN, F.S.; FU, A.H.; STEWART, M.S.; WILSON, D.W., "Practical Implementation of Low-Frequency Equalization Using Adaptive Digital Filters," <u>Journal of the Audio Engineering Society</u> , December 1994, Vol. 42, No. 12, pp. 988-998.
	A18	FLIKKEMA, Paul G., "An Algebraic Theory of 3D Sound Synthesis with Loudspeakers," AES 22 <sup>nd</sup> International Conference on Virtual, Synthetic and Entertainment Audio, pp. 1-4.
	A19	GRIESINGER, David, "Multichannel Sound Systems and Their Interaction with the Room," AES 15 <sup>th</sup> International Conference, pp. 159-173.
	A20	GROH, A.R., "High Fidelity Sound System Equalization by Analysis of Standing Waves", <u>Journal of the Audio Engineering Society</u> , December, 1974, Vol. 22, No. 10, pp. 795-799.
	A21	HORBACH, Dr.-Ing. Ulrich; CORTEEL, Etienne, "Array Loudspeaker System for Virtual Sound Synthesis," Patent Application, 10 pages.
	A22	HORBACH, Ulrich, KARAMUSTAFAOGLU, Attila, "Numerical Simulation of Wave Fields Created by Loudspeaker Arrays," <u>Journal of the Audio Engineering Society</u> , AES preprint 5021 (H-2), 107 <sup>th</sup> Convention, Sept. 24-27, 1999, New York, 17 pages.
	A23	HORST, R.; Thoai, N.; PARDALOS, Panos M., THOAI Nguyen V., "Introduction to Global Optimization", 2 <sup>nd</sup> Edition, 2000, Kluwer Academic Publishers.
	A24	JACOBSEN, Oluf, "Some Aspects of the Self and Mutual Radiation Impedance Concepts with Respect to Loudspeakers", <u>Journal of the Audio Engineering Society</u> , March 1976, Vol. 24, No. 2, pp. 82-92.
	A25	KIRKEBY Ole; NELSON, PHILIP A.; HAMADA, Hareo; ORDUNA-BUSTAMANTE, Felipe, "Fast Deconvolution of Multi-Channel Systems using Regularization," 1998 IEEE, 1063-6676/98, pp. 189-195.
	A26	KLEINER, Mendel; LAHTI, Hans, "Computer Prediction of Low Frequency SPL Variations in Rooms as a function of Loudspeaker Placement," <u>Journal of the Audio Engineering Society</u> , AES preprint 3577 (G2-7), 94 <sup>th</sup> Convention, March 16-19, 1993, Berlin, 16 pages.
	A27	KORST-FAGUNDES, Bruno, "Acoustical Equalization at Multiple Listening Positions", Selected Portions, UMI Dissertation Services, Degree Date: 1996, 26 pages.
	A28	MORSE, P.M., <u>Vibration and Sound</u> , 2 <sup>nd</sup> Edition, McGraw Hill, NY, 1948, 25 pages.
	A29	MORSE, P.M., and INGARD, K.U., <u>Theoretical Acoustics</u> , 1968, p. 576-599.
	A30	MOURJOPOULOS, John H., "Digital Equalisation of Room Acoustics," <u>Journal of the Audio Engineering Society</u> , 92 <sup>nd</sup> Convention, AES Preprint 3288, March 24-27, Vienna, 1992, 32 pages.
	A31	MUNSHI, Anees Saeed, "Multi-Loudspeaker Multi-Point Room Equalization," Thesis (M.A.Sc.), University of Toronto, 1990, ISBN 0-315-56734-1, 103 pages.
	A32	NEELY, Stephen T., Allen Jont B., "Invertibility of a room impulse response," <u>J. Acoust. Soc. Am</u> 66 (1), July 1979, 5 pages.
	A33	OLIVE, Sean E.; SCHUCK, Peter L.; SALLY, Sharon L.; BONNEVILLE, Mark E.; "The Effects of Loudspeaker Placement on Listener's Preference Ratings," <u>J. Audio Eng. Soc.</u> , September 1994, Vol. 42, No. 9, pp. 651-669.

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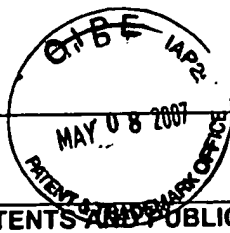
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/DP/	A34	OPPENHEIM, Alan V.; SCHAFER, Ronald W.; STOCKHAM, Thomas G., Jr., "Nonlinear Filtering of Multiplied and Convolved Signals", IEEE Transactions on Audio and Electroacoustics, Sept. 1968, Vol. AU-16, No. 3, pp. 437-466.
	A35	OPPENHEIM, Alan V.; SCHAFER, Ronald W.; BUCK, John R., Discrete Signal Processing, 2 <sup>nd</sup> Edition, 1999, Prentice Hall, 4 pages.
	A36	PEDERSEN, Jan A.; HERMANSEN, Kjeld; and RUBAK, Per, "The Distribution of the Low Frequency Sound Field and its Relation to Room Equalization", <u>Journal of the Audio Engineering Society</u> , 96 <sup>th</sup> Convention, AES preprint 3852 (P12.5), February 26-March 1, 1994, Amsterdam, 33 pages.
	A37	SANTILLIN, Arturo Orozco, "Experimental Low-Frequency Sound Equalization in an Extended Region of An Enclosure Using Adaptive Filters," <u>Journal of the Audio Engineering Society</u> , AES preprint 4755 (P8-4), 104 <sup>th</sup> Convention, May 16-19, 1998, Amsterdam, 9 pages.
	A38	WALKER, R., "Low-Frequency Room Responses: Part 2 – Calculation Methods and Experimental Results," BBC Research Dept. Report BBD RD 1992/9, 1992, 21 pages.
	A39	WATERHOUSE, Richard V. "Output of a Sound Source in a Reverberation Chamber and Other Reflecting Environments," <u>The Journal of the Acoustical Society of America</u> , Vol. 30, No. 1, pp. 4-13.
	A40	WELTI, Todd, "How Many Subwoofers are Enough" <u>Journal of the Audio Engineering Society</u> , Audio Engineering Society Convention Paper, 112 <sup>th</sup> Convention May 10-13, 2002, Munich Germany, pp. 1-15.
	A41	WELTI, Todd, "Subwoofers: Optimum Number and Locations," 30 pages.
↓	A42	ZACHAROV, Nick; BECH, Soren; MEARES, David, "The Use of Subwoofers in the Context of Surround Sound Program Reproduction," <u>J. Audio Eng. Soc.</u> , April 1998, Vol. 46, No. 4, pp. 276-287.

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APPLICANT(S): Devantier, et al.		

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

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/DP/	B1	2003-0179891 A1	09/25/2003	Rabinowitz		

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